

Please amend the claims as follows:

25. (thrice amended) A compound of claim 46, wherein:

R is hydrogen, halogen, lower alkoxy, alkynyl or substituted alkynyl; and

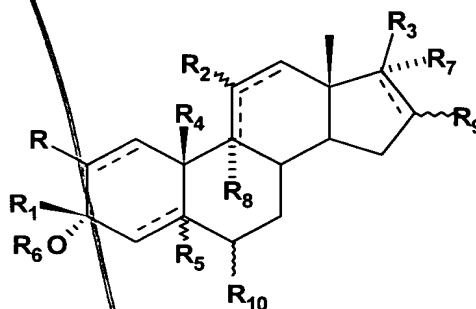
R₃ is one of -C(O)-CH₂-Y-G, -C(O)-CH₂-O-D, -C(O)-CH₂-O-E[,] or
[-C(O)-CH₂-O-Y'-Z-G] -C(O)-CH₂-Y'-Z-G.

27. (twice amended) A compound [which is] selected from the group consisting of 3α-

hydroxy-3β-(4-hydroxybutynyl)-21-(pyrid-4-ylthio)-5β-pregnan-20-one; 3α-hydroxy-21-(pyrid-4-yloxy)-5β-pregnan-20-one; 3α-hydroxy-2β-propoxy-21-(pyrid-4-ylthio)-5α-pregnan-20-one N-methyl iodide; 3α-hydroxy-21-(pyrid-4-ylthio)-5α-pregnan-20-one N-methyl iodide; 3α-hydroxy-21-(pyrid-4-yl)thio-5β-pregnan-20-one N-methyl iodide; 3α-hydroxy-3β-methoxymethyl-21-(pyrid-4-ylthio)-5α-pregnan-20-one; 21-(4'-dimethylaminophenylthio)-3α-hydroxy-3β-methoxymethyl-5α-pregnan-20-one; 3α-hydroxy-3β-methoxymethyl-21-(4'-nitrophenylthio)-5α-pregnan-20-one; 3α-hydroxy-3β-methoxymethyl-21-(4'-nitrophenylsulfinyl)-5α-pregnan-20-one; 3α-hydroxy-3β-methoxymethyl-21-(4'-nitrophenylsulfonyl)-5α-pregnan-20-one; 21-(4'-dimethylaminophenoxy)-3α-hydroxy-3β-methyl-5α-pregnan-20-one; 3α-hydroxy-3β-methyl-21-(4'-nitrophenoxy)-5α-pregnan-20-one; 3α-hydroxy-3β-methyl-21-(4'-trimethylammoniumphenoxy)-5α-pregnan-20-one iodide salt; 21-(4'-fluorophenylthio)-3α-hydroxy-3β-methoxymethyl-5α-pregnan-20-one; 3β-ethynyl-3α-hydroxy-21-(pyrid-4-ylthio)-5α-pregnan-20-one; 3β-(4'-acetylphenyl)ethynyl-3α-hydroxy-21-(pyrid-4-ylthio)-5β-pregnan-20-one; 3α-hydroxy-2β-propoxy-21-([4'-N,N,N-trimethylammoniumphenoxy)-5α-pregnan-20-one iodide salt; 3α-hydroxy-3β-methyl-21-(quinolin-6-yloxy)-5α-pregnan-20-one N-methyl iodide;

3 α -hydroxy-3 β -methyl-21-(quinolin-6-yloxy)-5 α -pregnan-20-one; 21-(4'-fluorophenyl)sulfonyl-3 α -hydroxy-3 β -methoxymethyl-5 α -pregnan-20-one; 3 α -hydroxy-3 β -methoxymethyl-21-(4'-pyrrolidinophenyl)sulfonyl-5 α -pregnan-20-one [or] and 21-(4'-aminophenylthio)-3 α -hydroxy-3 β -methoxymethyl-5 α -pregnan-20-one.

46. (twice amended) A compound of the formula:



or a physiologically acceptable salt or 3-ester thereof; wherein

R is one of hydrogen, amino, thio, sulfinyl, sulfonyl, halogen, lower alkoxy, alkynyl or substituted alkynyl;

R₁ is one of hydrogen, alkyl, alkenyl, alkynyl, haloalkyl, dihaloalkyl, trihaloalkyl, optionally substituted aralkynyl, alkoxyalkyl, aminoalkyl, cyano, cyanoalkyl, thiocynoalkyl, azidoalkyl, optionally substituted arylalkyl, arylalkenyl, optionally substituted aryl, optionally substituted aralkylalkynyl, alkanoyloxyalkynyl, optionally substituted heteroaryloxyalkynyl, oxoalkynyl or a ketal thereof, cyanoalkynyl, optionally substituted heteroarylalkynyl, hydroxyalkynyl, alkoxyalkynyl, aminoalkynyl, acylaminoalkynyl, mercaptoalkynyl, hydroxyalkynyl dioic acid hemi-ester or a salt thereof, or alkynyloxyalkynyl;

R₂ is one of hydrogen, alkoxy, a keto group or a dimethylamino group;

R_3 is one of $-C(O)-CH_2-Y-G$, $-C(O)-CH_2-O-D$, $-C(O)-CH_2-O-E$, $-C(O)-CH_2-Z-G$, or $-C(O)-CH_2-Y'-Z-G$;

Y is one of S, SO or SO_2 ;

Y' is one of O, S, SO or SO_2 ;

Z is one of alkylene, alkenylene or alkynylene;

G is one of C-attached heteroaryl, optionally substituted aryl, a quaternary ammonium salt of a nitrogen containing heteroaryl group or a quaternary ammonium salt of an amino substituted aryl group;

D is C-attached heteroaryl or a quaternary ammonium salt of a nitrogen containing heteroaryl group;

E is optionally substituted aryl or a quaternary ammonium salt of an amino substituted aryl group;

R_4 is one of hydrogen or methyl;

R_5 , R_6 , R_7 , R_8 , R_9 and R_{10} are each hydrogen; and

the dotted lines all represent single bonds; with the following provisos:

when R_3 is $-C(O)-CH_2-Y-G$, and G is C-attached heteroaryl or optionally substituted aryl, then R_1 is other than hydrogen or alkyl;

when R_3 is $-C(O)-CH_2-O-E$, and E is optionally substituted aryl, then R_1 is other than hydrogen or alkyl;

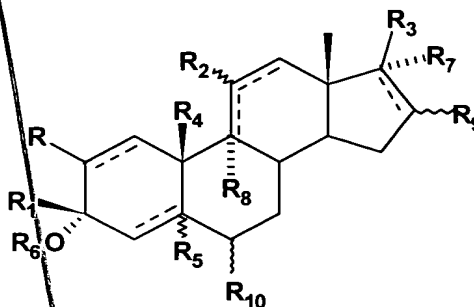
when R_3 is $-C(O)-CH_2-Y'-Z-G$, and Y' is O, and G is aryl, then R_1 is other than hydrogen or alkyl;

when R_3 is $-C(O)-CH_2-Y'-Z-G$, and Y' is S, SO, or SO_2 , and G is aryl, then R_1 is other than hydrogen or alkyl; and

Sub D2
cont
C3
Cont

when R₃ is -C(O)-CH₂-Z-G, then R₁ is other than hydrogen; *alkyl*

58. (once amended) A compound of the formula:



or a physiologically acceptable salt or 3-ester thereof; wherein

R is one of hydrogen, amino, thio, sulfinyl, sulfonyl, halogen, lower alkoxy, alkynyl or substituted alkynyl;

R₁ is one of hydrogen, alkyl, alkenyl, alkynyl, haloalkyl, dihaloalkyl, trihaloalkyl, optionally substituted aralkynyl, alkoxyalkyl, aminoalkyl, cyano, cyanoalkyl, thiocynoalkyl, azidoalkyl, optionally substituted arylalkyl, arylalkenyl, optionally substituted aryl, optionally substituted aralkylalkynyl, alkanoyloxyalkynyl, optionally substituted heteroaryloxyalkynyl, oxoalkynyl or a ketal thereof, cyanoalkynyl, optionally substituted heteroarylalkynyl, hydroxyalkynyl, alkoxyalkynyl, aminoalkynyl, acylaminoalkynyl, mercaptoalkynyl, hydroxyalkynyl dioic acid hemi-ester or a salt thereof, or alkynyloxyalkynyl;

R₂ is one of hydrogen, alkoxy, a keto group or a dimethylamino group;

R₃ is -C(O)CH₂S-(4-fluorophenyl), -C(O)CH₂O-(6-quinoliny), -C(O)CH₂SO₂-(4-fluorophenyl), -C(O)CH₂SO₂-(4-pyrrolidinophenyl), -C(O)CH₂CH₂-(4-pyridyl), -C(O)CH₂O-(4-nitrophenyl), -C(O)CH₂O-(4-dimethylaminophenyl),

Sub D3 Contd

-C(O)CH₂SO-(4-nitrophenyl) or -C(O)CH₂SO₂-(4-nitrophenyl);

R₄ is one of hydrogen or methyl;

R₅, R₆, R₇, R₈, R₉ and R₁₀ are each hydrogen; and

the dotted lines all represent single bonds; with the following provisos:

C4 Cont

when R₃ is -C(O)CH₂S-(4-fluorophenyl), -C(O)CH₂SO₂-(4-fluorophenyl), -C(O)CH₂SO₂-(4-pyrrolidinophenyl), -C(O)CH₂SO-(4-nitrophenyl) or -C(O)CH₂SO₂-(4-nitrophenyl), then R₁ is other than hydrogen or alkyl; and

when R₃ is -C(O)CH₂O-(4-nitrophenyl), -C(O)CH₂O-(4-dimethylaminophenyl) or -C(O)CH₂CH₂-(4-pyridyl), then R₁ is other than hydrogen or alkyl.

Please add the following new claims:

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✓ --62. The compound of claim 46, wherein R₃ is -C(O)-CH₂-Y-G, and G is C-attached heteroaryl or a quaternary ammonium salt of a nitrogen containing heteroaryl group.

✗ 63. The compound of claim 46, wherein R₃ is -C(O)-CH₂-Y-G, and G is optionally substituted aryl or a quaternary ammonium salt of an amino substituted aryl group.

✓ 64. The compound of claim 46, wherein R₃ is -C(O)-CH₂-O-D.

✓ 65. The compound of claim 46, wherein R₃ is -C(O)-CH₂-O-E.